



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H129200-G

Mode: Highway

Status: Submitted

I-95

From/Cross Street: SR 1002 (Long Branch Road)

Specific Improvement Type: 1 - Widen Existing Roadway

To: I-40

Project Category: Statewide Mobility

Length: 12.24

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$143,388,000

Description:

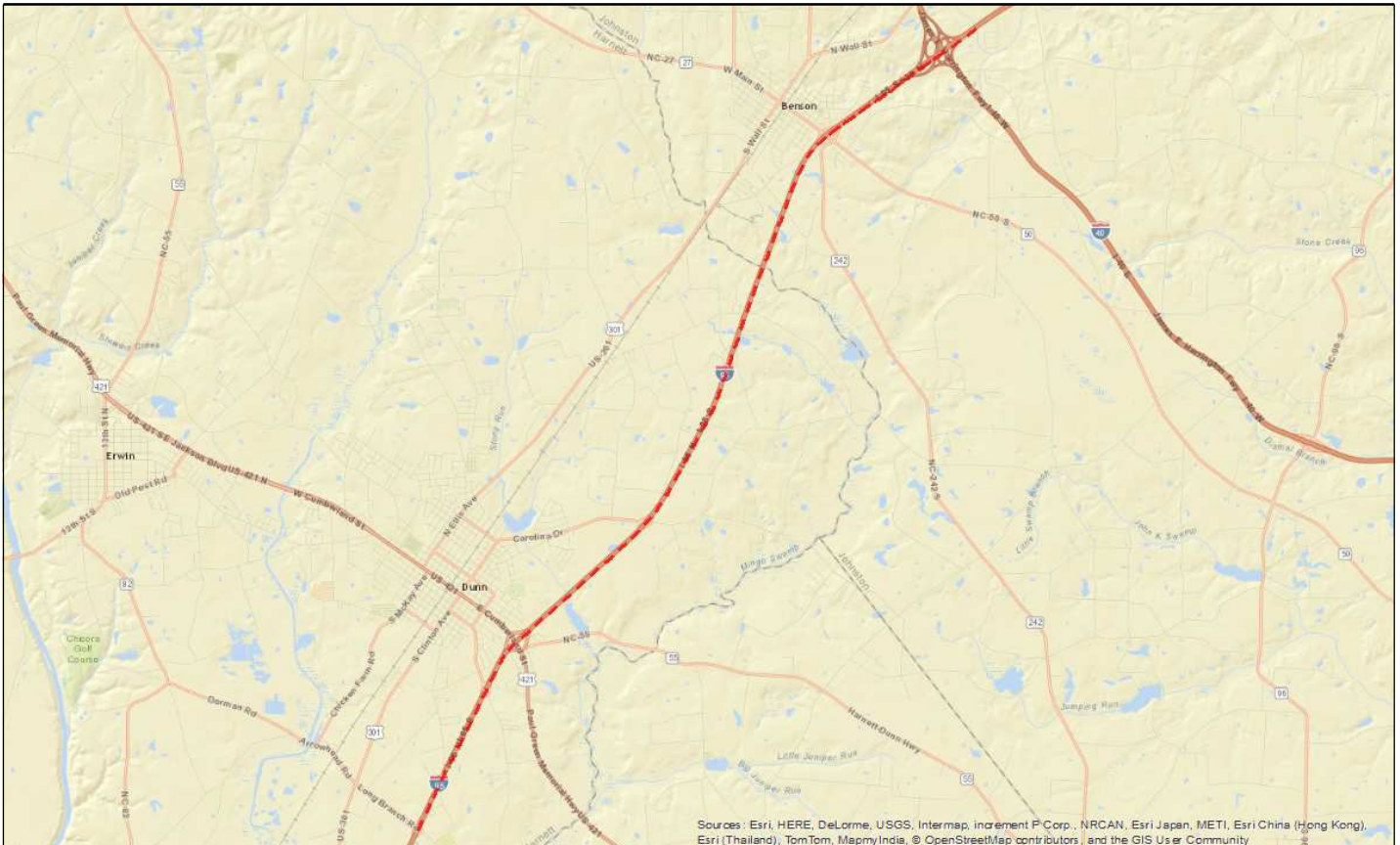
Widen Roadway to 8 Lanes.

Division(s): Division 6, Division 4

County(s): HARNETT, JOHNSTON

MPOS(s)/RPO(s): Mid-Carolina RPO, Upper Coastal Plain RPO

Project Location



Statewide Mobility Total Score: 34.12

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (30%) 1.29 Congestion (V/C) (30%) 60.00 Safety (10%) 64.14 Economic Competitiveness (10%) 14.86 Multimodal + [Freight & Military] (20%) 39.15	N/A	N/A
Totals: Weight: 100% Weighted Score: 34.12		

Regional Impact Total Score: 39.98

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 60.00 Safety (10%) 64.14 [Travel Time] Benefit/Cost (25%) 1.29 Accessibility / Connectivity (10%) 32.46	Percent: 15% Points: 58	Percent: 15% Points: 42
Totals: Weight: 70% Weighted Score: 24.98		

Division Needs Total Score: 18.67

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 64.14 [Travel Time] Benefit/Cost (20%) 1.29 Congestion (V/C) (20%) 60.00	Percent: 25% Points: 0	Percent: 25% Points: 0
Totals: Weight: 50% Weighted Score: 18.67		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	65
Length (miles):	12.24
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	10
Roadway has Curb & Gutter?	No
Volume (AADT):	48689.84
Capacity:	72084.84
Volume/Capacity Ratio:	0.68
% Autos:	84%
% Trucks:	16%
Truck Volume:	7830.8
Crash Density:	66.36
Crash Severity:	63.63
Critical Crash Rate:	62.45
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	19
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	76
Actual Congested Speed:	64.92
Travel Time Index:	0.98

Project Benefits

Project Cross-Section:	8B - 8 Lane Divided (27' Median with Jersey Barrier with Paved Shoulders)
Speed Limit:	65
Length (miles):	12.24
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	7868308.5
Travel Time Savings for 30 Years (Autos):	6602846.29
Travel Time Savings for 30 Years (Trucks):	1265462.21
Long-Term Employment:	126
% Change in Economy:	0.00017121
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 6

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 6	58%	58	0
Division 4	42%	0	0
	0%	0	0
TOTAL Division Points		58	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Mid-Carolina RPO	58%	0	0
Upper Coastal Plain RPO	42%	42	0
	0%	0	0
TOTAL MPO/RPO Points		42	0

Project Cost and Source

Construction Cost:	\$141,093,000	Cost Estimation Tool
Right-of-Way Cost:	\$2,049,000	Cost Estimation Tool
Utilities Cost:	\$246,000	Cost Estimation Tool
Total Project Cost:	\$143,388,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$143,388,000	